

## Learning Object #2:

For Learning Object #2 I am planning on extending my learning object #1 into an adaptive learning unit. My stated goal in my application for the MSIDT program was to create an adaptive learning unit and I want to continue to pursue and develop the skills necessary to obtain that goal.

## Objectives:

- Create three learning modules that will scaffold a scholar's knowledge towards a learning objective.
- Create pre-tests and that determine a scholar's existing knowledge regarding the lesson to be presented in each module
- Scholar's who demonstrate comprehensive existing knowledge in a pre-test will be advanced to the next lesson's pre-test, while scholars without pre-existing knowledge will be taken to the lesson and then tested again upon exiting the lesson. Based on the exit assessment the scholar will either repeat the lesson or move ahead to the pre-test for the next level in the module.

## Interface:

Basic Flash-based text and graphical animation including shape and property tweening, audio sfx, narration, Camtasia-generated video instruction, form components, dynamic text, testing engine, and a navigation system controlled by the user. ActionScript will be used to calculate test scores, control program flow and provide user navigation. Appropriate color scheme, navigation, and layout of the user interface will remain consistent throughout to be functional, unobtrusive and non-distracting to the user as much as possible and to assist in user's spatial memory. Wherever possible mouse selections will be duplicated with keyboard options.

## Goal:

Upon completion I plan on using this as learning unit in my online HTML course.